

OPTICAL WAVE GUIDE ELEMENT, AND MANUFACTURE THEREFOR

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide an optical wave guide element for making the miniaturization of the entire device including the optical wave guide element possible, by connecting optical fiber for incoming and outgoing radiation to the optical wave guide element, so that the optical wave guide element and the optical fiber are positioned at an angle of approximately 90°, as well as to provide a manufacturing method for the same.

The present invention provides an optical wave guide element having a substrate 10 which has the electro-optic effect and an optical wave guide 11 formed on the substrate, characterized by comprising: a reflective means 12 formed on a side of the substrate where an end of the optical wave guide is positioned; and optical fiber 13 connected to the substrate which is placed apart from the optical wave guide, wherein light waves 14 that propagate between the reflective means and the optical fiber propagate within the substrate excluding the optical wave guide.

(Representative drawing: Fig 3)